AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1.   (Currently amended) A processing server ~~(10)~~ for allocating to user terminals

~~(8)~~resources of a local area network ~~(WLAN)~~, said ~~which~~ server ~~is~~ adapted to be connected to at

least one local area network access point, ~~(1) and is characterized in that it includes~~ said server

comprising:

control means ~~(11)~~adapted~~: i)~~ to

classify the terminals ~~(8)~~into a first group or a second group according to whether

or not they are adapted to establish with said local area network ~~(WLAN)~~communications

encrypted in accordance with at least one format; and ~~ii) to~~

allocate resources of said local area network ~~(WLAN)~~to terminals ~~(8)~~attempting

to establish communication therewith as a function of whether they are classified in said first

group or said second group.

2.   (Currently amended) ~~A~~The server according to claim 1, ~~characterized in~~

~~that~~wherein said control means ~~(11)~~are adapted to determine ~~the~~ a MAC address of each of said

terminals ~~terminal (8)~~attempting to establish communication with said local area network

~~(WLAN)~~; and

in that it includes said processing server further comprises means (12) for allocating an IP address to each of said terminals attempting to establish communication with said local area network, and the terminal (8) having the MAC address determined in this way by said control means.

3.   (Currently amended) AThe server according to claim 2, characterized in that wherein said allocation means (12) are of the DHCP type.

4.   (Currently amended) AThe server according to claim 2, characterized in that it includes further comprising a memory (13) for storing a table containing primary MAC addresses associated with first terminals (8a) of said terminals, said first terminals adapted to exchange data frames encrypted in accordance with said at least one format.

5.   (Currently amended) AThe server according to claim 4, characterized in thatwherein said table contains secondary MAC addresses associated with second terminals (8b) of said terminals, said second terminals adapted to exchange unencrypted data frames.

6.   (Currently amended) AThe server according to claim 5 claim 4, characterized in that wherein:

said control means (11) are adapted to make a determination as to determine if whether a an extracted MAC address, extracted from a received frame, is a one of said primary or secondary MAC address addresses and,

if so said determination is affirmative, to send the allocation means (12) a request to allocate a primary IP address to the terminal (8b) corresponding to said primary or secondary extracted MAC address, a primary IP address so that it said terminal can set up a link with at least one first remote network and one second remote network and,

if not said determination is negative, to send the allocation means (12) a request to allocate a secondary IP address to the terminal (8c) corresponding to said extracted MAC address, referred to as a third terminal, a secondary IP address so that it said third terminal can set up a connection with at least one second remote terminal network.

7.   (Currently amended) A The server according to claim 4, characterized in that said first terminals (8a) are associated with said first remote network.

8.   (Currently amended) A The server according to claim 7, characterized in that said second terminals (8b) belong to known users of said first remote network.

9.   (Currently amended) A The server according to claim 6, characterized in that wherein:

each first remote network is selected from ~~the~~ a group comprising private networks, IP

data networks, and public switched telephone networks ~~(PSTN)~~; and

~~in that~~ each second remote network is selected from ~~the~~ a group comprising IP data

networks and public switched telephone networks ~~(PSTN)~~.

10.   (Currently amended) ~~A~~ The server according to claim 6 ~~claim 1~~, ~~characterized in~~

~~that~~ wherein said control means ~~(11)~~ are adapted to allocate at least two priority levels for said

allocation of resources of the local area network ~~(WLAN)~~ according to whether communications

are encrypted in accordance with said ~~chosen~~ at least one format ~~or not~~.

11.   (Currently amended) ~~A~~ The server according to claim 10, ~~characterized in that~~

wherein the MAC addresses in said table are stored in corresponding relationship to at least one

of said priority levels ~~level~~.

12.   (Currently amended) ~~A~~ The server according to claim 11, ~~characterized in that~~

wherein said priority levels comprise:

at least one first priority level allocated to first terminals ~~(8a)~~ associated with primary

MAC addresses; and

one second priority level allocated to second terminals ~~(8b)~~ associated with secondary

MAC addresses.

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13.   (Currently amended) A̶The server according to claim 12, ~~characterized in that~~ wherein said control means ~~(11)~~ are adapted to allocate a third priority level for allocation of resources of the local area network to said third terminals ~~(8e)~~ setting up communications not encrypted in accordance with said ~~chosen~~ at least one format and whose MAC ~~address is~~ addresses are not in said table.

14.   (Currently amended) A̶The server according to claim 11, ~~characterized in that~~ wherein said priority levels apply at least to a bandwidth, and said bandwidth decreases from the first level to the third level.

15.   (Currently amended) A̶The server according to claim 14, ~~characterized in that~~ wherein said control means ~~(11)~~ send said access point ~~(1)~~ data representative of said bandwidth assigned to a designated terminal, ~~(8)~~ and said access point allocates the corresponding resources to said designated terminal.

16.   (Currently amended) A̶The server according to claim 10, ~~characterized in that~~ wherein said control means ~~(11)~~ are adapted to modify an allocated priority level as a function of the available resources of said local area network ~~(WLAN)~~.

17.   (Currently amended) A̶The server according to claim 1, ~~characterized in that it is~~ said server adapted to be connected to said local area network ~~(WLAN)~~ by a cable connection ~~(3)~~.

18.   (Currently amended) A~~The~~ server according to claim 17, ~~characterized in that~~ said

cable connection ~~(3) is~~ being an Ethernet link.

19.   (Currently amended) A~~The~~ server according to claim 1, ~~characterized in that it is~~

said server adapted to be connected to said local area network ~~(WLAN)~~ by a radio link.

20.   (Currently amended) A~~The~~ server according to claim 19, ~~characterized in~~ wherein

said radio link is a 802.11b radio link.

21.   (Previously Presented) A router ~~(2), characterized in that it includes~~ including a

processing server ~~(10)~~ according to claim 1.

22.   (Previously Presented) A local area network access point, ~~characterized in that it~~

~~includes~~ including a processing server ~~(10)~~ according to claim 1.

23.   (Previously Presented) A communication installation comprising: ~~including~~

at least one local area network ~~(WLAN)~~ accessible via at least one access point ~~(1)~~;

at least one first remote network;~~, and~~

at least one second remote network~~,~~; and

~~which installation is characterized in that it includes~~ a processing server ~~(10)~~ according to claim 1, which is connected to said access point ~~(1)~~ and ~~to~~ said first and second remote networks.

24.   (Currently amended) An installation according to claim 23, ~~characterized in that~~ wherein said local area network ~~(WLAN)~~ is a wireless local area network.

25.   (Currently amended) An installation according to claim 23, ~~characterized in that~~ wherein said processing server ~~(10)~~ is connected to said first remote network ~~(CN)~~ via a virtual private network ~~(VPN)~~.

26.   (Currently amended) An installation according to claim 23, ~~characterized in that~~ wherein said processing server ~~(10)~~ is connected to said first remote network ~~(CN)~~ via a remote access server.

27.   (Currently amended) An installation according to claim 23, ~~characterized in that~~ wherein:

each said first remote network is chosen from ~~the~~ a group comprising private networks, IP data networks, and public switched telephone networks ~~(PSTN)~~; and

~~in that~~ each said second remote network is selected from ~~the~~ a group comprising IP data networks and public switched telephone networks ~~(PSTN)~~.

28.   (Currently amended) A method of allocating resources of a local area network

~~(WLAN)~~ to user terminals ~~(8)~~ via at least one access point ~~(1)~~ to said local area network, ~~which~~

~~method is characterized in that it consists in~~said method comprising:

~~i)~~ in the case of an attempt at setting up a connection with said local area network

~~(WLAN)~~ by a terminal ~~(8)~~ of said terminals, classifying said terminal in a first group or a second

group according to whether said connection is encrypted in accordance with at least one format

~~or not,~~; and

~~ii)~~ allocating resources of said local area network ~~(WLAN)~~ to said terminal ~~(8)~~ as a

function of whether it is classified in said first group or said second group.

29.   (Currently amended) ~~A~~The method according to claim 28, ~~characterized in that~~

further comprising:

in the event of an attempt by ~~a~~ said terminal ~~(8)~~ to set up a connection with said local area

network ~~(WLAN)~~, ~~its~~ determining a MAC address of said terminal, ~~is determined~~ and allocating

an IP address ~~is then allocated~~ to ~~the~~ said terminal ~~having the MAC address determined in this~~

~~way~~.

30.   (Currently amended) ~~A~~The method according to claim 29, ~~characterized in that~~

further comprising:

~~a table is provided~~ providing a table containing primary MAC addresses associated with

first terminals ~~(8a)~~ of said terminals, said first terminals adapted to exchange data frames

encrypted in accordance with said ~~chosen~~ at least one format.

31.   (Currently amended) ~~A~~The method according to claim 30, ~~characterized in that~~

wherein said table contains secondary MAC addresses associated with second terminals ~~(8b)~~ of

said terminals, said second terminals adapted to exchange unencrypted data frames.

32.   (Currently amended) ~~A~~The method according to claim 31 ~~claim 30~~, ~~characterized~~

~~in that~~ further comprising:

~~it determines if~~ making a determination as to whether ~~a~~ an extracted MAC address,

extracted from a received frame, is ~~a~~ one of said primary or secondary MAC addresses ~~address~~;

and~~,~~

if ~~so~~ said determination is affirmative, ~~it allocates~~ allocating a primary IP address to the

terminal ~~(8a, 8b)~~ corresponding to said ~~primary or secondary~~ extracted MAC address ~~a primary~~

~~IP address~~ so that it can set up a connection with at least one first remote network and one

second remote network; and~~,~~

if ~~not~~ said determination is negative, ~~it allocates~~ allocating a secondary IP address to the

terminal ~~(8c)~~ corresponding to said extracted MAC address, referred to as a third terminal, ~~a~~

~~secondary IP address~~ so that ~~it~~ said third terminal can set up a connection with a least one second

remote network.

33.   (Currently amended) A̶The method according to claim 30, ~~characterized in that~~ wherein said first terminals ~~(8a)~~ are associated with said first remote network.

34.   (Currently amended) A̶The method according to claim 33, ~~characterized n that~~ wherein said second terminals ~~(8b)~~ belong to known users of said first remote network.

35.   (Currently amended) A̶The method according to claim 32, ~~characterized in that~~ wherein:

each first remote network is selected from ~~the~~ a group comprising private networks, IP data networks, and public switched telephone networks ~~(PSTN)~~; and

~~in that~~ each second remote network is selected from ~~the~~ a group comprising IP data networks and public switched telephone networks ~~(PTSN)~~.

36.   (Currently amended) A̶The method according to claim 32 ~~claim 28~~, ~~characterized in that~~ wherein at least two levels of priority for allocation of resources of the local area network are allocated according to whether communications are encrypted in accordance with said ~~chosen~~ at least one format ~~or not~~.

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37.   (Currently amended) ~~A~~The method according to claim 36, ~~characterized in that~~

wherein the MAC addresses in said table are stored in corresponding relationship to at least one

of said priority levels~~level~~.

38.   (Currently amended) ~~A~~The method according to claim 37, ~~characterized in that~~

wherein ~~the~~ said priority levels comprise :

at least one first priority level allocated to first terminals ~~(8a)~~ associated with primary

MAC addresses; and

at least one second priority level allocated to second terminals ~~(8b)~~ associated with

secondary MAC addresses.

39.   (Currently amended) ~~A~~The method according to claim 38, ~~characterized in that~~

wherein a third priority level for allocation of resources of the local area network is allocated to

said third terminals ~~(8c)~~ setting up communications that are not encrypted in accordance with

said at least one format and whose MAC ~~address~~ addresses are ~~is~~ not in said table.

40.   (Currently amended) ~~A~~The method according to claim 36, ~~characterized in that~~

wherein said priority levels relate at least to a bandwidth. and said bandwidth decreases from the

first level to the third level.

41.   (Currently amended) A̶The method according to claim 40, ~~characterized in that~~

wherein said access point ~~(1)~~ is sent data representative of ~~the~~ said bandwidth assigned to a

designated terminal, ~~(8)~~ and said access point ~~(1)~~ allocates the corresponding resources to said

designated terminal.

42.   (Currently amended) A̶The method according to claim 36, ~~characterized in that~~

wherein an allocated priority level is modified as a function of the available resources of said

local area network ~~(WLAN)~~.

43.   (Currently amended) ~~Use of a~~ The method according to claim 28, wherein said

local area network is ~~in communication networks~~ selected from the group comprising PSTN,

PLMN, and Internet ~~(IP)~~ public networks, ~~and~~ PABX private networks, and private

communication gateways.

44.   (Currently amended) ~~Use~~ The method according to claim 43, ~~characterized in that~~

wherein the PLMN public networks are mobile networks selected from the group comprising

GSM, GPRS, and UMTS networks.